

## MICRONIZED BARIUM SULFATE

### CROSS REFERENCE TO RELATED APPLICATIONS

WAL [0001] This application is a continuation of, U.S. patent application no. 10/305,400, filed November 27, 2002, <sup>abandoned,</sup> which in turn is a continuation of international patent application no. PCT/EP01/06031, filed May 26, 2001 designating the United States of America and published in German as WO 01/92157, the entire disclosure of which is incorporated herein by reference. Priority is claimed based on Federal Republic of Germany patent application no. DE 100 26 791.2, filed May 31, 2000.

### BACKGROUND OF THE INVENTION

[0002] The present invention relates to a particulate barium sulfate, its production, and its use.

[0003] Barium sulfate may be used as a pigment in paper production, for example. Other intended applications, such as an additive for cosmetics like skin creams and sunscreens, or as a filler in pigments, adhesives, or rubber articles, however, require extremely fine particles of BaSO<sub>4</sub>.

### SUMMARY OF THE INVENTION

[0004] An object of the present invention is to provide a new effective method for producing a finely dispersed, particulate micronized barium sulfate.

WAL [0005] Another object of the invention is to provide an improved micronized barium <sup>sulfate</sup> ~~carbonate~~ which may be used as an additive for cosmetics or as filler for pigments, adhesives, or rubber articles.